

DERWENT-ACC-NO: 1992-321636
DERWENT-WEEK: 199239
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TITLE: Colouring corundum-leuco-sapphire stones for jewellery - includes heat treating stones in powdered metal oxide(s) according to colouration required

INVENTOR: CHIZHOV, M K; ZASLAVSKAYA, T N

PATENT-ASSIGNEE: LENG D RUSSKIE SAMOTSVETY PRODN
ASSOC[LERUR]

PRIORITY-DATA: 1989SU-4724315 (July 24, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1686045 A1	October 23, 1991	N/A	002	C30B 031/02

APPLICATION-DATA:

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INT-CL_(IPC): C30B029/20; C30B031/02 ; C30B033/02

ABSTRACTED-PUB-NO: SU 1686045A

BASIC-ABSTRACT: This process relates to imparting light blue, dark blue, and orange tints to these types of stones, and consists of heat treating the stones for 2-10 hours at 125-1400 deg.C in a powdered metal oxide. Nickel oxide, Co oxide, and Sr oxide are used to obtain light blue, dark blue, and orange tints respectively.

USE/ADVANTAGE - Used as a method of colouring corundum leucosapphire stones in jewelry mfr. The process costs are reduced. Bul.39/23.10.91

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

COLOUR CORUNDUM LEUCO SAPPHIRE STONE JEWEL HEAT TREAT
STONE POWDER METAL OXIDE
ACCORD COLOUR REQUIRE

DERWENT-CLASS: L03

CPI-CODES: L02-G08;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1519U; 1925U ; 1927U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1992-143257